

CLAIMS

1. A display device comprising: a housing; a plate-shaped display unit having respective side walls; and a fixing structure for fixing the display unit to the housing;

the fixing structure including a Z-direction holding member for holding the display unit in the thickness direction and also including an X-direction holding means and Y-direction holding means for holding the display unit in the X-direction and the Y-direction perpendicular to the X-direction;

at least one of the X-direction holding member and the Y-direction holding member being composed of wall sections, which are opposed to each other, of the housing adjacent to respective side walls of the display unit;

a protruding section being formed which protrudes from the side wall of the display unit to the wall section;

the wall section having a cutout engaging with the protruding section at a position of the wall section corresponding to the protruding section; and

the other of the X-direction holding member and the Y-direction holding members being composed by engagement of the protruding section with the cutout.

2. A display device according to claim 1, wherein the protruding section is a pawl section in which a portion of a plate fixed to the side wall of the display unit is protruded to the wall section side, and the pawl section is engaged with the cutout.

3. A display device according to claim 1, wherein the plate is composed of a metal fitting, the section of which is an L-shape, and an L-shape portion of the metal fitting composes the pawl section.

4. A display device according to claim 1, wherein the protruding section is a head portion of a screw which is screwed into the side wall of the display unit, the

cutout is a U-shaped groove provided in the wall section, and the head portion of the screw is idly loosely engaged in the U-shaped groove.

5        5.    A display device according to claim 4, wherein  
the thickness of the head portion of the screw in the  
axial direction, which is engaged in the U-shaped groove,  
is identical with or smaller than the thickness of a  
portion of the wall section in which the U-shaped groove  
is provided so that the head portion of the screw is not  
10       protruded from an opposite side face of the wall section.

6.    A display device according to claim 1, wherein  
the housing is provided with a frame-shaped front cover  
surrounding a periphery of the display unit, and the wall  
section is composed of a rising wall of the front cover.

15       7.    A display device comprising: a housing; a  
plate-shaped display unit having respective side walls;  
and a fixing structure for fixing the display unit to the  
housing;

the fixing structure including a Z-  
20       direction holding member for holding the display unit in  
the thickness direction and also including an X-direction  
holding member and Y-direction holding member for holding  
the display unit in the X-direction and the Y-direction  
perpendicular to the X-direction;

25       at least one of the X-direction holding  
member and the Y-direction holding member being composed  
of wall sections, which are opposed to each other, of the  
housing adjacent to respective side walls of the display  
unit;

30       a protruding section being formed which  
protrudes from the side wall of the display unit to the  
wall section; the wall section having a through-hole  
engaging with the protruding section at a position of the  
wall section corresponding to the protruding section; and

35       the Z-direction holding member and the  
other of the X-direction holding member and the Y-  
direction holding member being composed by engagement of

the protruding section with the through-hole.

8. A display device according to claim 7, wherein the protruding section is a pawl section in which a portion of a plate fixed to the side wall of the display unit is protruded to the wall section side, and the pawl section is engaged in the through-hole.

9. A display device according to claim 7, wherein the protruding section is composed of a head section of a screw which is screwed in the display unit, and the head section of the screw is loosely engaged in the through-hole provided in the wall section.

10. A display device according to claim 9, wherein the thickness of the head portion of the screw in the axial direction, which is engaged in the through-hole, is identical with or smaller than the thickness of a portion of the wall section in which the through-hole is provided so that the head portion of the screw is not protruded from an opposite side face of the wall section.

11. A display device according to claim 8, wherein the plate is fixed to the wall section with a screw.

12. A display device according to claim 11, wherein the plate is fixed to the wall section with a screw at a position where the plate does not overlap the wall section.

13. A display device according to claim 7, wherein the housing is provided with a frame-shaped front cover surrounding a periphery of the display unit, and the wall section is composed of a rising wall of the front cover.